

**ELECTRONICALLY FILED**

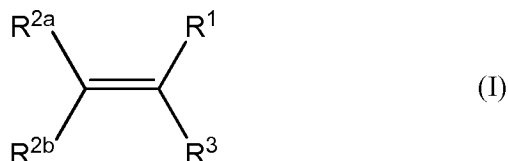
<b>PETITION FOR CERTIFICATE OF CORRECTION</b>  Address to: Mail Stop Certificate of Correction Branch Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Attorney Docket	ARC920010125US1(IBM-034)
	First Named Inventor	Ito, Hiroshi
	Patent Number	7,358,027
	Issue Date	April 15, 2008
	Application Number	10/091,373
	Filing Date	March 4, 2002
	Title:	<i>“Copolymer for use in Chemical Amplification Resists”</i>

Sir:

Transmitted herewith for filing is a Certificate of Correction for the above-identified patent.

The Certification of Correction is to correct claim 27 as follows:

27. In a lithographic photoresist composition comprised of a polymer transparent to deep ultraviolet radiation and a radiation-sensitive acid generator, the improvement comprising employing as the polymer a copolymer synthesized from a first monomer having the structure of formula (I)



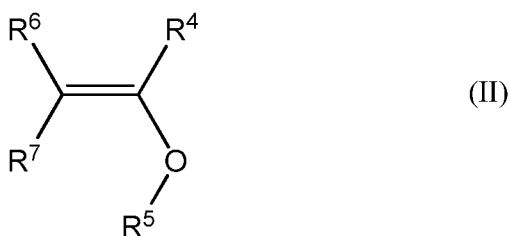
wherein

$R^1$  is H, F, CN,  $CH_3$ , or  $C_{1-6}$  fluoroalkyl,

$R^{2a}$  and  $R^{2b}$  are independently H or F, [[and,]] and

$R^3$  is CN or COOR, wherein R is selected from the group consisting of H,  $C_{1-12}$  alkyl and  $C_{1-12}$  fluoroalkyl, or is selected so as to render  $R^3$  acid-cleavable, with the proviso that when  $R^3$  is CN, then  $R^1$  is  $CF_3$  and  $R^2$  is H, and

a second monomer having the structure of formula (II)



wherein

$R^4$  is H,  $C_{1-12}$  alkyl,  $C_{3-15}$  alicyclic, or fluorinated  $C_{3-15}$  alicyclic,

$R^5$  is  $C_{1-12}$  alkyl,  $C_{1-12}$  alkyl substituted with 1-12 fluorine atoms and 0-2 hydroxyl groups, or  $C_{3-15}$  alicyclic, or  $R^4$  and  $R^5$  together form a five-, six-, or seven-membered ring,

$R^6$  is H,  $C_{1-12}$  alkyl, or  $C_{1-12}$  fluoroalkyl, or  $R^4$  and  $R^6$  together form a five-, six-, or seven-membered ring;

$R^7$  is H,  $C_{1-12}$  alkyl, or  $C_{1-12}$  fluoroalkyl, or  $R^7$  and  $R^5$  together represent --X--  
( $CR^8R^9$ )<sub>n</sub>--, in which case  $R^4$  and  $R^6$  are H, X is O or  $CH_2$ , n is 1 or 2,  $R^8$  and  $R^9$  [<sup>are H, C</sup>] are  
H,  $C_{1-12}$  alkyl, or  $C_{1-12}$  fluoroalkyl, or together form an oxo moiety (=O), with the proviso that  
when  $R^8$  and  $R^9$  together form =O, n is 1,

wherein any of  $R^1$ ,  $R^3$ ,  $R^4$ ,  $R^5$ ,  $R^6$ , and  $R^7$  may be further substituted with an inert  
nonhydrogen substituent, and further wherein when  $R^5$  is  $C_{1-12}$  alkyl, at least one of  $R^4$ ,  $R^6$   
and  $R^7$  is other than hydrogen.

## REMARKS

It is believed that no fee is due since the error was made by the Patent and Trademark Office. However, the Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.20, which may be required by this paper, or to credit any overpayment, to Deposit Account No. 090441 order number ARC920010125US1.

Respectfully submitted,

BOZICEVIC, FIELD & FRANCIS LLP

Date: July 27, 2010

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO. : 7,358,027  
APPLICATION NO.: 10/091,373  
ISSUE DATE : April 15, 2008  
INVENTOR(S) : Ito, Hiroshi

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Claim 27, Col. 22, line 14, please delete "and," and replace with --and--.

In Claim 27, Col. 22, line 14, please delete "are H, C" and replace with --are H, C--.

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